

REMARKS


In the subject Office Action, the examiner rejected Claims 1-2, 5-6 and 12-14 under 35 USC 102(b) and rejected the remaining claims under 35 USC 103(a).

Applicants request reconsideration of their application in view of this response which cancels Claims 1-11 and 13-19, amends Claim 12, and adds new Claims 20-21.

The rejections under 35 USC 102(b) and 35 USC 103(a) are respectfully traversed by virtue of the cancellation of Claims 1-11 and 13-19, and the amendment of Claim 12. Amended Claim 12 recites a specific iterative dynamic control for regulating the number of activated converter modules in a power converter based on measures of converter power output and converter efficiency. Claim 20 combines the control of Claim 12 with an iterative dynamic control of converter switching frequency based on the measured efficiency, and Claim 21 combines the control of Claims 12 and 20 with an iterative dynamic control of converter duty cycle to balance the temperatures of the activated converter modules. In each case, the controls are iterative and the respective converter parameters (number of activated converter modules, switching frequency, duty cycle) are dynamically re-evaluated periodically as the measured output power of the power converter changes.

The cited prior art patents disclose various principles relating to converter optimization, as the examiner has demonstrated, but Applicants respectfully submit that pending Claims 12, 20 and 21 describe methods that are neither disclosed nor suggested by any combination of the cited prior art patents. Accordingly, Claims 12 and 20-21 are believed to be in condition for allowance, and such allowance is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Mark A. Navarre", written in a cursive style.

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